

RAW SEQUENCE LISTING

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Application Serial Number: 10/561, 343
Source: IFWP
Date Processed by STIC: 12/29/2005

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RAW SEQUENCE LISTING

DATE: 12/29/2005

PATENT APPLICATION: US/10/561,343

TIME: 14:59:54

Input Set : A:\05552.1464 Sequence Listing.txt

Output Set: N:\CRF4\12292005\J561343.raw

3 <110> APPLICANT: Dade Behring Marburg GmbH
 5 <120> TITLE OF INVENTION: Novel surface protein (HBsAg) variant of the hepatitis B
 Virus

7 <130> FILE REFERENCE: MA 1251
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/561,343
 C--> 9 <141> CURRENT FILING DATE: 2005-12-20
 9 <150> PRIOR APPLICATION NUMBER: DE 10328139.8
 10 <151> PRIOR FILING DATE: 2003-06-20
 12 <160> NUMBER OF SEQ ID NOS: 34
 14 <170> SOFTWARE: PatentIn version 3.2
 16 <210> SEQ ID NO: 1
 17 <211> LENGTH: 462
 18 <212> TYPE: DNA
 19 <213> ORGANISM: Hepatitis B virus
 21 <400> SEQUENCE: 1

22	gggggaacta ccgtgtgtct tggccaaaat tcgcagtccc caacctccaa tcactcacca	60
24	acctcctgtc ctccaaacttg tcctggttat cgctggatgt gtctgcggcg ttttatcatc	120
26	ttcctcttca tcctgctgct atgcctcattc ttcttgcgttgg ctcttctggaa ctatcaaggt	180
28	atattgcccgg tttgtcctct aattccagga tctgcaatca acaacaggggg acaatgcaaa	240
30	acctgcacga ctactgctca cggAACCTCT atgtatccct actgttgcgtg taccAAACCT	300
32	tcggacggaa attgcacctg tattccatc ccatacatcct gggctttcgg aaaattccta	360
34	tgggagtggg cctcagcccg tttctctgg ctcaatgttac tagttccctt tgttcagtgg	420
36	ttcgttagggc tttccccac tgtttgcgtt tcagttatat gg	462
39	<210> SEQ ID NO: 2	
40	<211> LENGTH: 84	
41	<212> TYPE: DNA	
42	<213> ORGANISM: Hepatitis B virus	
44	<400> SEQUENCE: 2	
45	ttcttgcgttgg ctcttctggaa ctatcaaggt atattgcccgg tttgtcctct aattccagga	60
47	tctgcaatca acaacaggggg acaa	84
50	<210> SEQ ID NO: 3	
51	<211> LENGTH: 144	
52	<212> TYPE: DNA	
53	<213> ORGANISM: Hepatitis B virus	
55	<400> SEQUENCE: 3	
56	ttcttgcgttgg ctcttctggaa ctatcaaggt atattgcccgg tttgtcctct aattccagga	60
58	tctgcaatca acaacaggggg acaa atgcataaa acctgcacga ctactgctca cggAACCTCT	120
60	atgtatccct actgttgcgtg tacc	144
63	<210> SEQ ID NO: 4	
64	<211> LENGTH: 66	
65	<212> TYPE: DNA	
66	<213> ORGANISM: Hepatitis B virus	
68	<400> SEQUENCE: 4	
69	caaggtatat tgcccggttgcgttccctctaatt ccaggatctg caatcaacaa cagggacaa	60

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71	tgcaaa	66
74	<210> SEQ ID NO: 5	
75	<211> LENGTH: 120	
76	<212> TYPE: DNA	
77	<213> ORGANISM: Hepatitis B virus	
79	<400> SEQUENCE: 5	
80	caaggtatat tgcccgtttgcctctaatt ccaggatctg caatcaacaa caggggacaa	60
82	tgcaaaaacct gcacgactac tgctcacgga acctctatgt atccctactg ttgctgtacc	120
85	<210> SEQ ID NO: 6	
86	<211> LENGTH: 15	
87	<212> TYPE: DNA	
88	<213> ORGANISM: Hepatitis B virus	
90	<400> SEQUENCE: 6	
91	gcaatcaaca acagg	15
94	<210> SEQ ID NO: 7	
95	<211> LENGTH: 21	
96	<212> TYPE: DNA	
97	<213> ORGANISM: Hepatitis B virus	
99	<400> SEQUENCE: 7	
100	gcaatcaaca acaggggaca a	21
103	<210> SEQ ID NO: 8	
104	<211> LENGTH: 27	
105	<212> TYPE: DNA	
106	<213> ORGANISM: Hepatitis B virus	
108	<400> SEQUENCE: 8	
109	gcaatcaaca acaggggaca atgcaaa	27
112	<210> SEQ ID NO: 9	
113	<211> LENGTH: 48	
114	<212> TYPE: DNA	
115	<213> ORGANISM: Hepatitis B virus	
117	<400> SEQUENCE: 9	
118	gcaatcaaca acaggggaca atgcaaaacc tgacgacta ctgctcac	48
121	<210> SEQ ID NO: 10	
122	<211> LENGTH: 81	
123	<212> TYPE: DNA	
124	<213> ORGANISM: Hepatitis B virus	
126	<400> SEQUENCE: 10	
127	gcaatcaaca acaggggaca atgcaaaacc tgacgacta ctgctcacgg aacctctatg	60
129	tatccctact gttgctgtac c	81
132	<210> SEQ ID NO: 11	
133	<211> LENGTH: 60	
134	<212> TYPE: DNA	
135	<213> ORGANISM: Hepatitis B virus	
137	<400> SEQUENCE: 11	
138	tgcaaaaacct gcacgactac tgctcacgga acctctatgt atccctactg ttgctgtacc	60
141	<210> SEQ ID NO: 12	
142	<211> LENGTH: 154	
143	<212> TYPE: PRT	
144	<213> ORGANISM: Hepatitis B virus	

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146 <400> SEQUENCE: 12
 148 Gly Gly Thr Thr Val Cys Leu Gly Gln Asn Ser Gln Ser Pro Thr Ser
 149 1 5 10 15
 152 Asn His Ser Pro Thr Ser Cys Pro Pro Thr Cys Pro Gly Tyr Arg Trp
 153 20 25 30
 156 Met Cys Leu Arg Arg Phe Ile Ile Phe Leu Phe Ile Leu Leu Cys
 157 35 40 45
 160 Leu Ile Phe Leu Leu Ala Leu Leu Asp Tyr Gln Gly Ile Leu Pro Val
 161 50 55 60
 164 Cys Pro Leu Ile Pro Gly Ser Ala Ile Asn Asn Arg Gly Gln Cys Lys
 165 65 70 75 80
 168 Thr Cys Thr Thr Ala His Gly Thr Ser Met Tyr Pro Tyr Cys Cys
 169 85 90 95
 172 Cys Thr Lys Pro Ser Asp Gly Asn Cys Thr Cys Ile Pro Ile Pro Ser
 173 100 105 110
 176 Ser Trp Ala Phe Gly Lys Phe Leu Trp Glu Trp Ala Ser Ala Arg Phe
 177 115 120 125
 180 Ser Trp Leu Ser Leu Leu Val Pro Phe Val Gln Trp Phe Val Gly Leu
 181 130 135 140
 184 Ser Pro Thr Val Trp Leu Ser Val Ile Trp
 185 145 150
 188 <210> SEQ ID NO: 13
 189 <211> LENGTH: 28
 190 <212> TYPE: PRT
 191 <213> ORGANISM: Hepatitis B virus
 193 <400> SEQUENCE: 13
 195 Phe Leu Leu Ala Leu Leu Asp Tyr Gln Gly Ile Leu Pro Val Cys Pro
 196 1 5 10 15
 199 Leu Ile Pro Gly Ser Ala Ile Asn Asn Arg Gly Gln
 200 20 25
 203 <210> SEQ ID NO: 14
 204 <211> LENGTH: 48
 205 <212> TYPE: PRT
 206 <213> ORGANISM: Hepatitis B virus
 208 <400> SEQUENCE: 14
 210 Phe Leu Leu Ala Leu Leu Asp Tyr Gln Gly Ile Leu Pro Val Cys Pro
 211 1 5 10 15
 214 Leu Ile Pro Gly Ser Ala Ile Asn Asn Arg Gly Gln Cys Lys Thr Cys
 215 20 25 30
 218 Thr Thr Thr Ala His Gly Thr Ser Met Tyr Pro Tyr Cys Cys Cys Thr
 219 35 40 45
 222 <210> SEQ ID NO: 15
 223 <211> LENGTH: 22
 224 <212> TYPE: PRT
 225 <213> ORGANISM: Hepatitis B virus
 227 <400> SEQUENCE: 15
 229 Gln Gly Ile Leu Pro Val Cys Pro Leu Ile Pro Gly Ser Ala Ile Asn
 230 1 5 10 15
 233 Asn Arg Gly Gln Cys Lys

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234 20
237 <210> SEQ ID NO: 16
238 <211> LENGTH: 40
239 <212> TYPE: PRT
240 <213> ORGANISM: Hepatitis B virus
242 <400> SEQUENCE: 16
244 Gln Gly Ile Leu Pro Val Cys Pro Leu Ile Pro Gly Ser Ala Ile Asn
245 1 5 10 15
248 Asn Arg Gly Gln Cys Lys Thr Cys Thr Thr Ala His Gly Thr Ser
249 20 25 30
252 Met Tyr Pro Tyr Cys Cys Cys Thr
253 35 40
256 <210> SEQ ID NO: 17
257 <211> LENGTH: 5
258 <212> TYPE: PRT
259 <213> ORGANISM: Hepatitis B virus
261 <400> SEQUENCE: 17
263 Ala Ile Asn Asn Arg
264 1 5
267 <210> SEQ ID NO: 18
268 <211> LENGTH: 5
269 <212> TYPE: PRT
270 <213> ORGANISM: Hepatitis B virus
272 <400> SEQUENCE: 18
274 Ile Pro Gly Ser Ala
275 1 5
278 <210> SEQ ID NO: 19
279 <211> LENGTH: 5
280 <212> TYPE: PRT
281 <213> ORGANISM: Hepatitis B virus
283 <400> SEQUENCE: 19
285 Pro Gly Ser Ala Ile
286 1 5
289 <210> SEQ ID NO: 20
290 <211> LENGTH: 5
291 <212> TYPE: PRT
292 <213> ORGANISM: Hepatitis B virus
294 <400> SEQUENCE: 20
296 Gly Ser Ala Ile Asn
297 1 5
300 <210> SEQ ID NO: 21
301 <211> LENGTH: 5
302 <212> TYPE: PRT
303 <213> ORGANISM: Hepatitis B virus
305 <400> SEQUENCE: 21
307 Ser Ala Ile Asn Asn
308 1 5
311 <210> SEQ ID NO: 22
312 <211> LENGTH: 5

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313 <212> TYPE: PRT
314 <213> ORGANISM: Hepatitis B virus
316 <400> SEQUENCE: 22
318 Ile Asn Asn Arg Gly
319 1 5
322 <210> SEQ ID NO: 23
323 <211> LENGTH: 5
324 <212> TYPE: PRT
325 <213> ORGANISM: Hepatitis B virus
327 <400> SEQUENCE: 23
329 Asn Asn Arg Gly Gln
330 1 5
333 <210> SEQ ID NO: 24
334 <211> LENGTH: 5
335 <212> TYPE: PRT
336 <213> ORGANISM: Hepatitis B virus
338 <400> SEQUENCE: 24
340 Asn Arg Gly Gln Cys
341 1 5
344 <210> SEQ ID NO: 25
345 <211> LENGTH: 5
346 <212> TYPE: PRT
347 <213> ORGANISM: Hepatitis B virus
349 <400> SEQUENCE: 25
351 Arg Gly Gln Cys Lys
352 1 5
355 <210> SEQ ID NO: 26
356 <211> LENGTH: 7
357 <212> TYPE: PRT
358 <213> ORGANISM: Hepatitis B virus
360 <400> SEQUENCE: 26
362 Ala Ile Asn Asn Arg Gly Gln
363 1 5
366 <210> SEQ ID NO: 27
367 <211> LENGTH: 9
368 <212> TYPE: PRT
369 <213> ORGANISM: Hepatitis B virus
371 <400> SEQUENCE: 27
373 Ala Ile Asn Asn Arg Gly Gln Cys Lys
374 1 5
377 <210> SEQ ID NO: 28
378 <211> LENGTH: 16
379 <212> TYPE: PRT
380 <213> ORGANISM: Hepatitis B virus
382 <400> SEQUENCE: 28
384 Ala Ile Asn Asn Arg Gly Gln Cys Lys Thr Cys Thr Thr Thr Ala His
385 1 5 10 15
388 <210> SEQ ID NO: 29
389 <211> LENGTH: 27

VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date